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Robust Piston Design and Optimization Using Piston Secondary Motion Analysis

RM Hoffman, A Sudjianto, X Du, J Stout - Society of Automotive Engineers, SAE Paper, 2003 - umr.edu

... In a traditional robust **design model**, there are four objectives for this application, including the means of **piston** noise and friction, and their variances. ...

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Technological Discontinuities and Dominant Designs: A Cyclical Model of Technological Change. - group of 3 »

P Anderson, ML Tushman - Administrative Science Quarterly, 1990 - questia.com

... For example, mechanical typewriters, **piston** jets, telegraphy, gas ... leading up to a dominant **design**, has yet ... The evolutionary **model** presented here suggests that ...

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Internet-based collaborative product design with assembly features and virtual design spaces - group of 6 »

N Shyamsundar, R Gadh - Computer-Aided Design, 2001 - Elsevier

... Then the **piston design** is performed on a CAD modeler and the detailed **design** is integrated into the **model** of the connecting rod, **piston** assembly in the cPAD ...

Cited by 62 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Non-linear control based on physical models- Electrical, mechanical and hydraulic systems - group of 2 »

A Kugi - Godalming, United Kingdom: Springer-Verlag London, Ltd.(..., 2001 - csa.com

... behind a mathematical **model** can contribute ... and Hamiltonian systems, controller **design**

strategies, and ... valve-controlled translational **piston** actuator, hydraulic ...

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Benchmark problems in structural control: part I—Active Mass Driver system - group of 10 »

BF Spencer, SJ Dyke, HS Deoskar - Earthquake Engineering & Structural Dynamics, 1998 - nd.edu

... former), rigidly mounted between the end of the **piston** rod and the ... of candidate controllers; that is, the evaluation **model** is considered ... CONTROL **DESIGN** PROBLEM ...

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A Primer on Design of Semiactive Vibration Absorbers (SAVA) - group of 3 »

WN Patten, C Mo, J Kuehn, J Lee - Journal of Engineering Mechanics, 2006 - link.aip.org

... the effect of compressibility (at the **piston** and at ... can be important to the **design** and implementation ... laboratory procedures used to identify **model** parameters. ...

Cited by 22 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Optimal model-based decomposition of powertrain system design - group of 5 »

NF Michelena, PY Papalambros - ASME J. Mech. Des, 1995 - ode.engin.umich.edu

... vehicle powertrain system **design model** consisting of engine, torque converter, transmission, and wheel-tire assemblies ... partition. In **design model** ...

Cited by 37 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Development of a Dynamic, End-to-End Free Piston Stirling Convertor Model - group of 4 »

TF Regan, SS Gerber, ME Roth - Expanding the Frontiers of Space, 2003 -

... One of the challenges of controller **design** for the Free **Piston** Stirling convertor ...
For this reason, a **model** that captures this thermal behavior is thought ...
[Cited by 12](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

... incorporates a hydrodynamic lubrication **model**, was applied ... to be sensitive to **piston-cylinder bore** ... viscosity, underscoring their importance in engine **design**.
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... evaluation of an air damped dynamic vibration absorber: **Design** optimizations of the three-element type **model**. ... with an air damper consisting of a **piston** and a ...
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